

ABSTRACT OF THE DISCLOSURE

The magnetic recording medium provided is produced by forming a substrate having a nanoparticle layer comprising an array of nanoparticles, and an organic compound between
5 said array of nanoparticles; irradiating the nanoparticle layer with an infrared beam to magnetize the nanoparticles; applying a magnetic field to the nanoparticle layer to orient easy axis of magnetization of the magnetic nanoparticles in a substantially uniform direction; and
10 irradiating the nanoparticle layer with an ultraviolet beam to bind said organic compound to thereby produce a magnetic recording medium wherein easy axis of magnetization of the nanoparticles has been oriented in a direction substantially parallel to a direction at a particular angle
15 with the substrate. The resulting magnetic recording medium experiences no deterioration of the underlying layer or the soft magnetic layer, and exhibits good magnetic properties.